

(No Model.)

E. F. STRAUB.

DEVICE FOR ATTACHING PLATES TO STOVES.

No. 260,908.

Patented July 11, 1882.

Fig. 1.

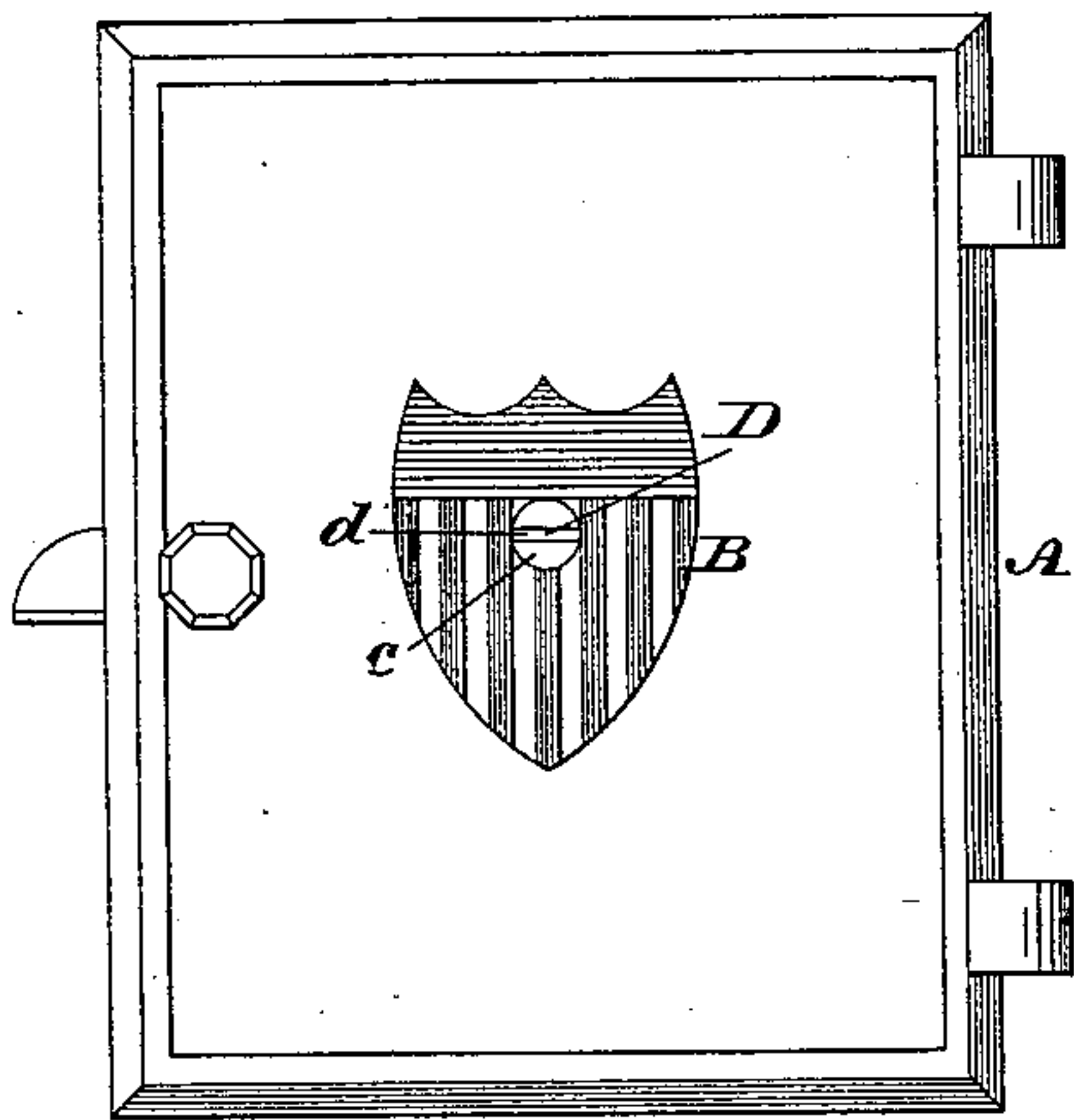


Fig. 2.

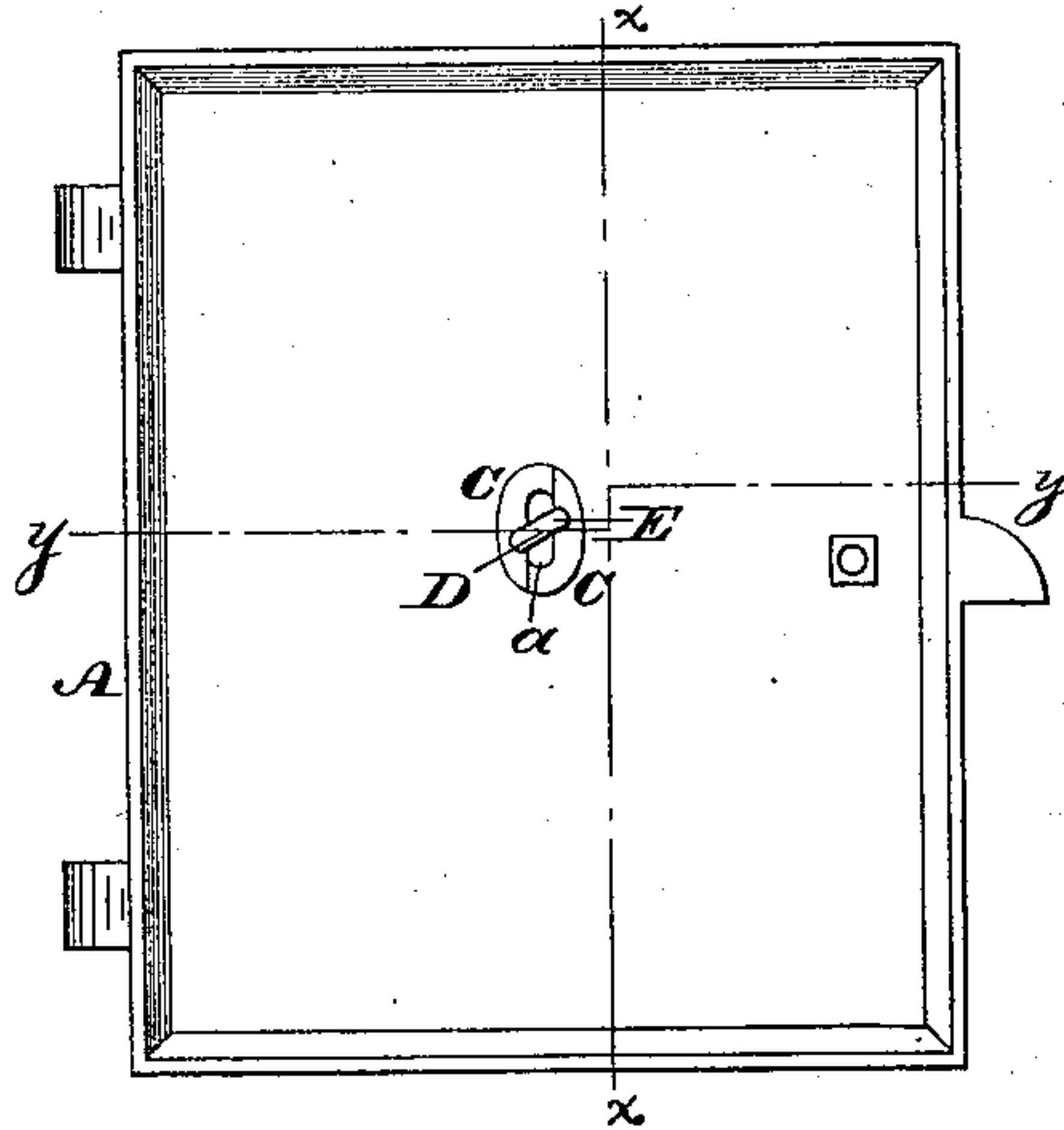


Fig. 3.

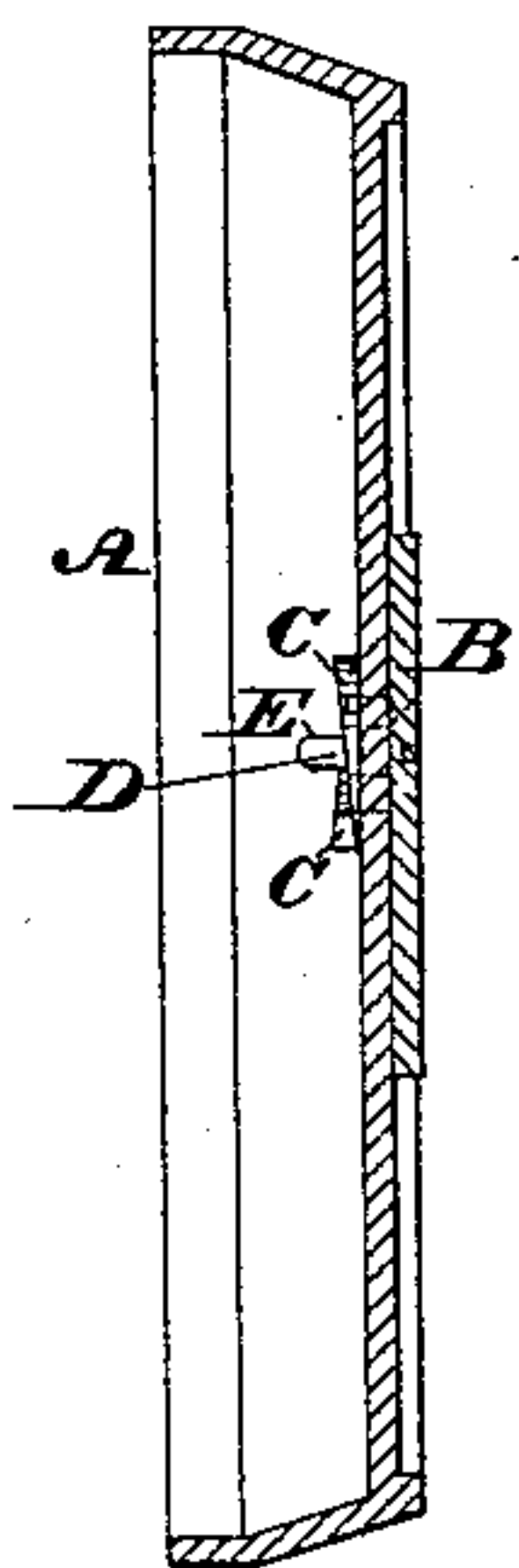


Fig. 4.

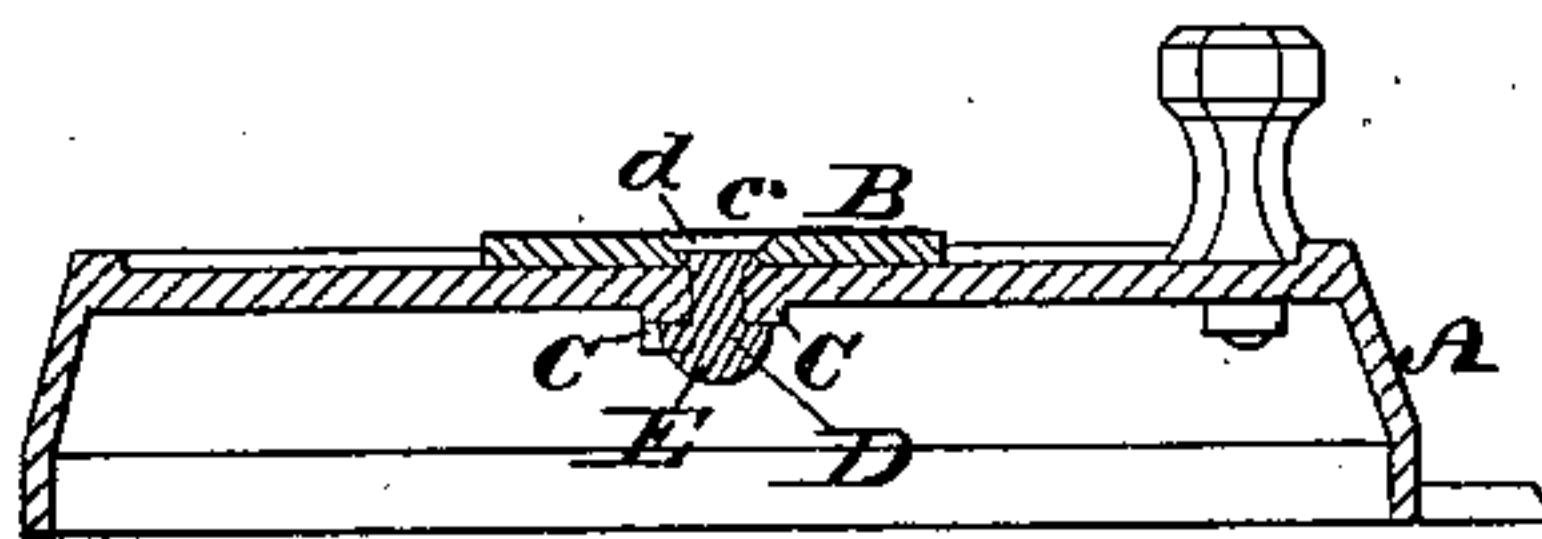


Fig. 5.

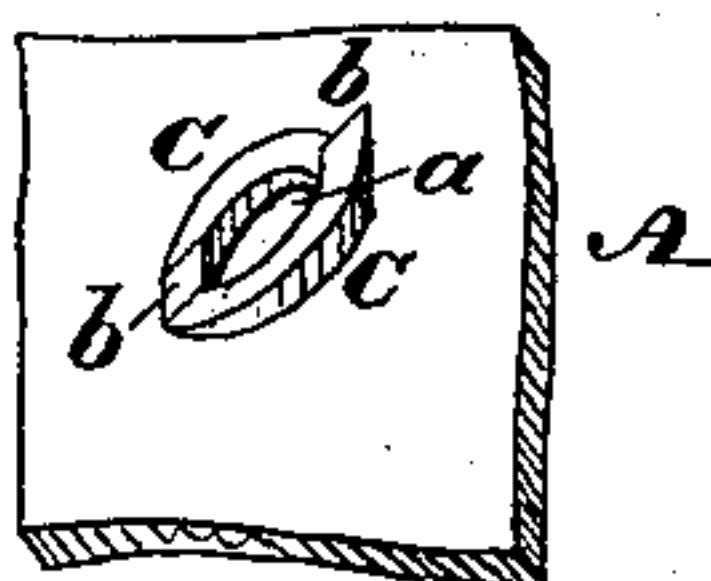


Fig. 6.

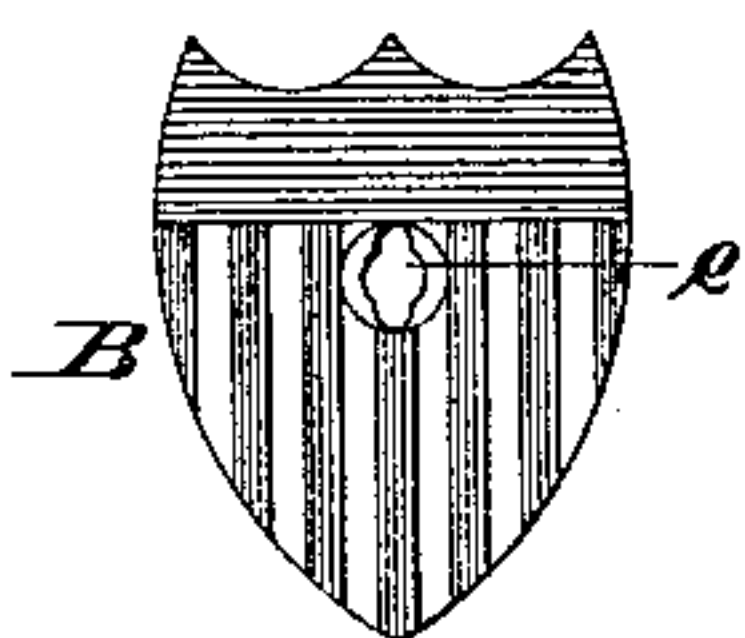
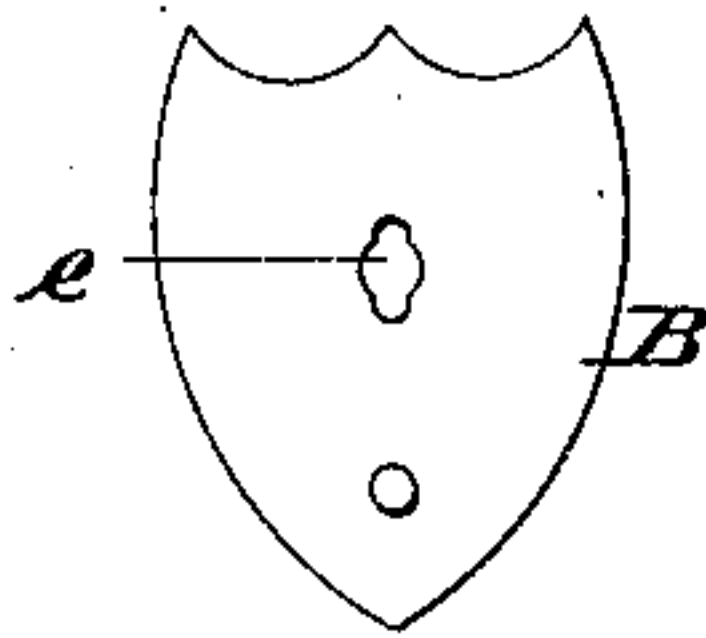


Fig. 7.



WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD F. STRAUB, OF ROYER'S FORD, PENNSYLVANIA, ASSIGNOR OF
ONE-THIRD TO WILLIAM S. ESSICK, OF SAME PLACE.

DEVICE FOR ATTACHING PLATES TO STOVES.

SPECIFICATION forming part of Letters Patent No. 260,908, dated July 11, 1882.

Application filed April 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. STRAUB, a citizen of the United States, residing at Royer's Ford, in the county of Montgomery, State of Pennsylvania, have invented a new and useful Improvement in Devices for Attaching Plates to Stoves, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a front view of a stove-door having my invention applied to it. Fig. 2 is a rear view thereof. Fig. 3 is a vertical section thereof in line *x x*, Fig. 2. Fig. 4 is a horizontal section thereof in line *y y*, Fig. 2. Fig. 5 is a perspective view of a portion thereof. Figs. 6 and 7 are views of opposite sides of the stove-plate.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a simple, convenient, secure, and inexpensive manner of attaching ornamental panels and other plates to stoves, as will be hereinafter fully set forth.

Referring to the drawings, A represents the door of a stove, and B an ornamental panel or plate attached thereto. In the door A is an oblong slot or opening, *a*, circumscribing which, on the back of the door, are lugs or projections C, formed with the door, the faces of which are spiral or inclined, as at *b*, the lowest point of each projection beginning at the highest point of the other projection, so that the inclinations of the two faces are in opposite directions.

D represents a pin, which is formed at its outer end with a head, *c*, having a nick, *d*, or it may be squared or angular, so as to be adapted to be grasped by a wrench-key or other proper tool in order to rotate the pin. The inner end of the pin is formed with a head, E, making a T which is of width less than the opening *a* and of length greater than the width of said opening, and the shank of the said pin is made round or cylindrical. In the plate B is a round opening, *e*, against the wall of which the head *c* of the pin D is adapted to abut, said opening being sufficiently large to permit the entrance of the inner head, E, of the pin. When the pin is fitted to the plate B the head E is inserted in the opening *a* and rides up the inclined or spiral faces of the projections C, thus

drawing the pin forcibly inward, and consequently tightening the outer head, *c*, of the pin against the plate B, the effect of which is to clamp said plate against the door and securely hold it in position thereon. By rotating the pin in the opposite direction the head E leaves the projections C and coincides with the opening *e*, whereby it may be withdrawn from the door A, the plate B thus being disconnected from the door.

It will be seen that I provide a simple, convenient, inexpensive, and reliable mode of fastening the plate B to the door. The lugs or projections C are strong and durable and readily cast with the door. I avoid riveting and screw-threads and provide a fastening or attaching pin which is readily applied and withdrawn when desired.

It is evident that the invention is not limited to the attachment of a plate or plates to a stove-door, as it is readily serviceable for any part of the stove where a plate or plates are desired.

I am aware that inclined lugs or planes and headed pins or bolts engaging therewith have been employed in other devices, and I therefore do not claim the same, broadly.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. Stove-door A, having opening *a* and reversely-inclined lugs C C, the latter being formed on the back of the door, at the sides of said opening, in combination with plate B and a double-headed pin, D, passed through said door and plate, one head of said pin bearing against said inclined lugs, and the other head bearing against the outside of said plate, as set forth.

2. The stove provided with an oblong opening and the reversely-inclined lugs, in combination with the plate B, having a circular opening, and the double-headed pin D, the inner head of said pin being a flat T, and the shank thereof being circular or cylindrical, substantially as and for the purpose set forth.

EDWARD F. STRAUB.

Witnesses:

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H. E. GARSED.